GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:4315
ANSWERED ON:11.08.2016
Supply of Renewable Energy
Raghavan Shri M. K.

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether the Government has taken any steps for supplying renewable energy round-the-clock, if so, the details thereof;
(b) whether the solar power needs a lot of land like putting up 1 MW of solar power requires two hectares of land, if so, the details thereof; and
(c) whether this indicates large-scale solar power plants can only be put up on the land that has no value for agriculture or wildlife, if so, the details of areas so identified for the purpose and quantum of energy likely to be generated?

Answer

MINISTER OF STATE FOR POWER, COAL , NEW & RENEWABLE ENERGY & MINES (SHRI PIYUSH GOYAL)
(a): A proper mix of Renewable Energy fed into the grid, which already has thermal power is good for supply of power round the clock in India. Supply of power only from Renewable Energy is not planned in the near future.
(b)&(c): The minimum land required for putting up 1 MW of solar PV power as per Ministry of New & Renewable Energy (MNRE) Guidelines is 1.5 Hectare. However, the actual area required, depends upon the Solar Radiation, Efficiency and Technology. Solar plants on waste land or on roof top are encouraged. The total quantum of Solar Energy potential estimated, including these lands is 748.98 GWp.
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